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**First record of the firefly genus *Curtos* (Motschulsky) (Coleoptera; Lampyridae; Luciolinae) in Sri Lanka**

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The genus *Curtos* was firstly established by Motschulsky, 1845 with the type species *C. mongolicus*, Motschulsky. Later he made supplementary descriptions for the genus and the type species respectively. The genus belongs to subfamily Luciolinae and adult *Curtos* resemble those of the genus *Luciola* in general appearance, but possess maxillary palps with a non-toothed apex and a well-developed carina on each elytron. 17 species of genus *Curtos* have been identified in the South East Asian region and one *Curtos* sp namely *Curtos costipennis* was recorded for the first time from Sri Lanka in 2010. Previously, this species was known only from China, Indonesia and Japan. The type specimen of the *C. costipennis* is stored in the Natural History Museum in Paris. The aim of the paper was to introduce the taxonomic and ecological information of *C. costipennis* as the first record species of genus *Curtos* from Sri Lanka.

Dorsal and ventral morphology, internal anatomy and nine taxonomic characters such as, total body length, total body width, pronotal length, pronotal width, elytral length, elytral width, light organ length, light organ width and antennal length were studied using 25 male and 15 female specimens. Photographs of type specimens and taxonomic keys were used to confirm the species.

Basic taxonomic characters, external morphology and aedeagus pattern of recorded specimens completely fitted with the original description of the *C. costipennis* and other information available in the South East Asian region. In addition, several behavioral characters of *C. costipennis* were observed; both sexes emit a green colour light when flying and the female emits a weak green colour at night. They inhabit open grasslands and forests more abundantly. They are always active in the middle vegetation layers of the environment and are slow fliers. In Sri Lanka, *C. costipennis* is recorded from three provinces such as, Uva, Southern and North-Western and it is distributed throughout the year with slight fluctuations of abundance.

Keywords: *Curtos*, *C. costipennis*, firefly, Sri Lanka